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Ip, M.T.W.; Lin, W.W.K.; Wong, A.K.Y.; Dillon, T.S.; Dianhui Wang;

Object-Oriented Real-Time Distributed Computing, 2001. ISORC - 2001. Proceedings. Fourth IEEE International Symposium on , 2-4 May 2001

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50 **Software architectures for collaborative proxies in wide area information systems**

Brunie, L.; Coquil, D.; Simon, S.;

Database and Expert Systems Applications, 2001. Proceedings. 12th International Workshop on , 3-7 Sept. 2001

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Talukdar, S.;

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Burstein, M.H.; Muivehill, A.M.; Deutsch, S.;

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Longsong Lin; Lih-Chyau Wu; Chun-Yeh Tsai; Yao-Te Huang; Ruel-Yau Liu;

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Buhr, R.J.A.; Elammari, M.; Gray, T.; Mankovski, S.;

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Guoqiang Zhong Takahashi, K. Helmy, T. Takaki, K. Mine, T. Kusakabe, S. Ama
 Graduate Sch. of Inf. Sci. & Electr. Eng., Kyushu Univ., Fukuoka, Japan;
*This paper appears in: **Parallel and Distributed Systems: Workshops, Se International Conference on, 2000***

Meeting Date: 07/04/2000 - 07/07/2000

Publication Date: 4-7 July 2000

Location: Iwate Japan

On page(s): 435 - 440

Reference Cited: 8

Number of Pages: xiii+563

Inspec Accession Number: 6763150

Abstract:

With the explosion of the Internet, we are evolving a worldwide network computing environment. At this point, the surging challenge is the next evolutionary technology: the Internet-oriented applications. A KODAMA (Kyushu university Open and Distributed Autonomous Multi-Agent) system is deployed for this demand. KODAMA system interconnects disparate and distributed agents together to solve some problem. The solution is typically beyond any singular agent's capabilities. The key aspects of agents are their autonomy, collaboration, flexibility, as well as stability. To obtain these features, an appropriate scheme of collaboration among agents is clearly required. Our new approach focuses on both raising the level of abstraction at which agents cooperate with each other, and hiding the implementation details of communication from agents.

Index Terms:

[Internet](#) [multi-agent systems](#) [object-oriented programming](#) [open systems](#) [Internet oriented applications](#) [KODAMA agents](#) [KODAMA system](#) [Kyushu university Open and Autonomous Multi-Agent](#) [abstraction](#) [agent collaboration](#) [distributed agents](#) [distributed agent system](#) [evolutionary technology](#) [worldwide network computing environment](#)

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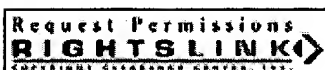
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The next software revolution

Talukdar, S.

Carnegie Mellon Univ., Pittsburgh, PA, USA;

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Meeting Date: 07/18/1999 - 07/22/1999

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Location: Edmonton, Alta. Canada

On page(s): 843 - 845 vol.2

Volume: 2

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Number of Pages: 2 vol. (xxiv+1373)

Inspec Accession Number: 6440595

Abstract:

We are on the threshold of another revolution in software technology. Previous revolutions have made it dramatically easier for people to write, distribute, use software. This revolution will provide software agents with the ability to do things for themselves. More specifically, it will provide the means for making software an autonomous (so that burdensome managerial superstructures become unnecessary) and collaborative (so agents can work together in large groups on big and difficult problems).

Index Terms:

[software agents](#) | [software reusability](#) | [autonomous software agents](#) | [collaborative software agents](#) | [software distribution](#) | [software reuse](#) | [software revolution](#) | [software agents](#)

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